

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|--|---|------------------|---------|---------------------|
| L1    | 808  | (short near2 preamble\$1)<br>and (long near2 preamble<br>\$1)                              | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2011/03/09<br>15:44 |
| L2    | 186  | L1 and (auto\$1correlat\$5 or<br>cross\$1correlat\$5)                                      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2011/03/09<br>15:44 |
| L3    | 63   | l2 and (complex near2<br>conjugat\$4)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2011/03/09<br>15:44 |
| L4    | 33   | l3 and (@ad<"20031227"<br>or @rlad<"20031227" or<br>@ptad<"20031227" or<br>@pd<"20031227") | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2011/03/09<br>15:44 |
| L5    | 28   | l4 and synchroniz\$6   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2011/03/09<br>15:45 |
| L6    | 28   | l5 and delay\$4  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2011/03/09<br>15:45 |
| L7    | 12   | l6 and squar\$4  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2011/03/09<br>16:34 |

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| S1 | 2   | "20060046728".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/02/28<br>15:46 |
| S2 | 7   | ((("2003125027") or<br>("20060045049")).PN.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2011/02/28<br>15:53 |
| S3 | 6   | ((("20030125027") or<br>("20060045049") or<br>("20060046728")).PN.                             | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2011/02/28<br>15:54 |
| S4 | 4   | ((("6363107") or<br>("5164942")).PN.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2011/02/28<br>15:59 |
| S5 | 805 | (short near2 preamble\$1)<br>and (long near2 preamble<br>\$1)                                  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/02/28<br>20:07 |
| S6 | 356 | S5 and (@ad< "20031227"<br>or @rlad< "20031227" or<br>@ptad< "20031227" or<br>@pd< "20031227") | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/02/28<br>20:10 |
| S7 | 133 | S6 and PHY   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/02/28<br>20:33 |
| S8 | 19  | S7 and downlink  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/02/28<br>20:33 |

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| S9  | 805 | (short near2 preamble\$1)<br>and (long near2 preamble<br>\$1)                              | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/01<br>12:39 |
| S10 | 356 | S9 and (@ad<"20031227"<br>or @rlad<"20031227" or<br>@ptad<"20031227" or<br>@pd<"20031227") | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/01<br>12:39 |
| S11 | 133 | S10 and PHY  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/01<br>12:39 |
| S12 | 19  | S11 and downlink   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/01<br>12:39 |
| S13 | 1   | S12 and (IS near2 symbol<br>\$1)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/01<br>12:39 |
| S14 | 12  | S10 and (IS near2 symbol<br>\$1)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/01<br>12:43 |
| S15 | 8   | S10 and (s near2 symbol\$1)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/01<br>12:59 |
| S16 | 0   | (s near2 symbol\$1) and (I<br>near2 symbol\$1) and "IS<br>symbol"\$1                       | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/01<br>13:24 |

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| S17 | 16443 | "IS" near2 symbol\$1  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/01<br>13:25 |
| S18 | 313   | (s near2 symbol\$1) and (l near2 symbol\$1) and S17   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/01<br>13:25 |
| S19 | 228   | S18 and (@ad<"20031227"<br>or @rlad<"20031227" or<br>@ptad<"20031227" or<br>@pd<"20031227") | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/01<br>13:25 |
| S20 | 3558  | "IS symbol" or "IS symbols"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/01<br>13:25 |
| S21 | 55    | (s near2 symbol\$1) and (l near2 symbol\$1) and S20   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/01<br>13:26 |
| S22 | 34    | S21 and (@ad<"20031227"<br>or @rlad<"20031227" or<br>@ptad<"20031227" or<br>@pd<"20031227") | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/01<br>13:26 |
| S23 | 805   | (short near2 preamble\$1)<br>and (long near2 preamble<br>\$1)                               | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/01<br>20:27 |
| S24 | 631   | S23 and symbol\$1   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/01<br>20:27 |

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| S25 | 272 | S24 and (@ad<"20031227" or @rlad<"20031227" or @ptad<"20031227" or @pd<"20031227") | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/01<br>20:27 |
| S26 | 36  | S25 and (cyclic near2 prefix)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/01<br>20:27 |
| S28 | 333 | (short near2 preamble) and ("16" or sixteen) with symbol\$1                        | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/02<br>15:34 |
| S29 | 177 | S28 and (@ad<"20031227" or @rlad<"20031227" or @ptad<"20031227" or @pd<"20031227") | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/02<br>15:34 |
| S30 | 209 | "60" near2 GHz same WLAN   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/02<br>18:13 |
| S31 | 805 | (short near2 preamble\$1) and (long near2 preamble \$1)                            | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/02<br>18:17 |
| S32 | 5   | S31 and S30  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/02<br>18:17 |
| S33 | 0   | S32 and (@ad<"20031227" or @rlad<"20031227" or @ptad<"20031227" or @pd<"20031227") | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/02<br>18:17 |

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| S34 | 50 | preamble\$1 and S30   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/03/02<br>18:23 |
| S35 | 1  | S34 and (@ad<"20031227"<br>or @rlad<"20031227" or<br>@ptad<"20031227" or<br>@pd<"20031227") | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/03/02<br>18:24 |
| S36 | 60 | OFDM\$1 and S30   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/03/02<br>18:25 |
| S37 | 3  | S36 and (@ad<"20031227"<br>or @rlad<"20031227" or<br>@ptad<"20031227" or<br>@pd<"20031227") | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/03/02<br>18:25 |
| S38 | 6  | ((("20040076246") or<br>("20040004933") or<br>("20050135432")).PN.                          | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2011/03/09<br>11:23 |
| S39 | 1  | S38 and (downlink or<br>uplink)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/03/09<br>11:23 |
| S40 | 0  | "20040076246".pn. and<br>(channel near2 estimat\$4)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/03/09<br>13:05 |
| S41 | 1  | "20040076246".pn. and<br>channel  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/03/09<br>13:05 |

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| S42 | 1 | "20040004933".pn. and channel  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/09<br>13:07 |
| S43 | 2 | "20050135432".pn.              | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/09<br>13:17 |
| S44 | 1 | "20040004933".pn. and physical | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/09<br>13:20 |

**EAST Search History (Interference)**

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**3/ 9/ 2011 4:57:59 PM****C:\Documents and Settings\ashivers\My Documents\EAST\Workspaces\10584335 - preamble configuring method and a method for frame synchronization.wsp**